

AMENDMENTS IN THE CLAIMS

1. (Currently Amended) A method ~~applicable within a server~~ for adaptively allocating target resources in a network ~~environment~~ during concurrent sessions in which at least one initiator node is communicatively connected to a target node utilizing an associated network target address, said method comprising:

during the concurrent sessions, receiving [[a]] session ~~message~~ feedback relating to one or more of the concurrent sessions from one of the at least one initiator node or the target node; and

responsive to the received session ~~message~~ feedback:

replacing the network target address associated with the target node with a different network target address; and

issuing a target rediscovery message to the at least one initiator node, wherein the target rediscovery message directs the at least one initiator node to rediscover available target nodes ~~in accordance with associated network target addresses~~ utilizing target discovery domain information.

2. (Currently Amended) The method of claim 1, further comprising, responsive to the received session ~~message~~ feedback, ~~interrupting~~ terminating the concurrent sessions.

3. (Currently Amended) The method of claim ~~[[2]]~~ 1, wherein ~~said interrupting the concurrent sessions is performed in response to issuing the rediscovery message to the target node~~ is a data storage resource that received and executes commands from the at least one initiator during the concurrent sessions.

4. (Currently Amended) The method of claim 1, wherein said replacing the associated network target address comprises:

issuing an address change instruction to a target network adapter at which the concurrent sessions are connected at the associated network target address, wherein said address change instruction directs the target network adapter to bind itself to the different network target address; and

associating the target node with the replacement network target address ~~within the server~~.

5. (Currently Amended) The method of claim 1, wherein the received session ~~message~~ is feedback comprises a rediscovery request.

6. (Currently Amended) The method of claim 1, wherein the received session ~~message~~ feedback includes a simple network management protocol management information base object.

7. (Currently Amended) The method of claim 1, wherein the received session ~~message~~ feedback includes a session metric, said method further comprising:

determining whether the received session metric is within a predetermined threshold; and
responsive to the received session metric being outside the predetermined threshold:

replacing the original network target address with a replacement network target address; and

issuing the target rediscovery message to the at least one initiator node.

8. (Original) The method of claim 7, wherein the session metric is a quality of service metric, wherein the quality of service metric relates to one or more of average transmission rate, maximum transmission rate, minimum transmission rate, transmission error rate, and network node delay.

9. (Cancelled)

10. (Currently Amended) A system for adaptively allocating target resources in a network ~~environment~~ during concurrent sessions in which at least one initiator node is communicatively connected to a target node utilizing an associated network target address, said system comprising:

processing means within a server for receiving ~~[[a]] session message~~ feedback relating to one or more of the concurrent sessions from one of the at least one initiator node or the target node during the concurrent sessions; and

processing means within the server responsive to the received session ~~message~~ feedback for:

replacing the network target address associated with the target node with a different network target address; and

issuing a target rediscovery message to the at least one initiator node, wherein the target rediscovery message directs the at least one initiator node to rediscover available target nodes ~~in accordance with associated network target addresses~~ utilizing target discovery domain information.

11. (Currently Amended) The system of claim 10, further comprising, processing means within the server responsive to the received session ~~message~~ feedback, for delivering a session ~~interrupt~~ terminate message to the target node.

12. (Currently Amended) The system of claim 11, wherein ~~the session interrupt message is delivered in response to issuing the rediscovery message to the target node~~ is a data storage resource that received and executes commands from the at least one initiator during the concurrent sessions.

13. (Currently Amended) The system of claim 10, wherein said processing means for replacing the associated network target address comprises:

processing means for sending an address change instruction to a target network adapter, wherein said address change instruction directs the target network adapter to bind itself to the different network target address; and

processing means for associating the target node with the replacement network target address ~~within the server~~.

14. (Currently Amended) The system of claim 10, wherein the received session ~~message~~ is feedback comprises a rediscovery request.

15. (Currently Amended) The system of claim 10, wherein the received session ~~message~~ feedback includes a simple network management protocol management information base object.

16. (Currently Amended) The system of claim 10, wherein the received session ~~message~~ feedback includes a session metric, said system further comprising:

processing means within the server for determining whether the received session metric is within a predetermined threshold; and

processing means within the server responsive to the received session metric being outside the predetermined threshold for:

replacing the original network target address with a replacement network target address; and

issuing the target rediscovery message to the at least one initiator node.

17. (Original) The system of claim 16, wherein the session metric is a quality of service metric, wherein the quality of service metric relates to one or more of average transmission rate, maximum transmission rate, minimum transmission rate, transmission error rate, and network node delay.

18. (Cancelled)

19. (Currently Amended) ~~A computer program product~~ In a data processing system, a computer-readable medium having encoding thereon computer-executable instructions for adaptively allocating target resources in a network ~~environment~~ during concurrent sessions in which at least one initiator node is communicatively connected to a target node utilizing an associated network target address, said ~~computer program product~~ computer-executable instructions performing a method comprising:

~~program instruction means within a server for~~ receiving ~~[[a]]~~ session ~~message~~ feedback relating to one or more of the concurrent sessions from one of the at least one initiator node or the target node; and

~~program instruction means within the server~~ responsive to the received session ~~message~~ feedback ~~[[for]]~~:

replacing the network target address associated with the target node with a different network target address; and

issuing a target rediscovery message to the at least one initiator node, wherein the target rediscovery message directs the at least one initiator node to rediscover available target nodes ~~in accordance with associated network target addresses~~ utilizing target discovery domain information.

20. (Currently Amended) The ~~computer program product~~ computer-readable medium of claim 19, wherein said method further comprising comprises, program instruction means within the server responsive to the received session message feedback, ~~[[for]]~~ delivering a session ~~interrupt~~ terminate message to the target node.

21. (Currently Amended) The ~~computer program product~~ computer-readable medium of claim 20, wherein ~~the session interrupt message is delivered in response to issuing the rediscovery message to the target node~~ is a data storage resource that received and executes commands from the at least one initiator during the concurrent sessions.

22. (Currently Amended) The ~~computer program product~~ computer-readable medium of claim 19, wherein said ~~program instruction means for~~ replacing the associated network target address comprises:

~~program instruction means for~~ sending an address change instruction to a target network adapter, wherein the address change instruction directs the target network adapter to bind itself to the different network target address; and

~~program instruction means for~~ associating the target node with the replacement network target address ~~within the server~~.

23. (Currently Amended) The ~~computer program product~~ computer-readable medium of claim 19, wherein the received session ~~message is~~ feedback comprises a rediscovery request.

24. (Currently Amended) The ~~computer program product~~ computer-readable medium of claim 19, wherein the received session ~~message~~ feedback includes a simple network management protocol management information base object.

25. (Currently Amended) The ~~computer program product~~ computer-readable medium of claim 19, wherein the received session ~~message~~ feedback includes a session metric, said ~~computer program product method~~ further comprising:

~~program instruction means within the server for~~ determining whether the received session metric is within a predetermined threshold; and

~~program instruction means within the server~~ responsive to the received session metric being outside the predetermined threshold [[for]]:

replacing the original network target address with a replacement network target address; and

issuing the target rediscovery message to the at least one initiator node.

26. (Currently Amended) The ~~computer program product~~ computer-readable medium of claim 25, wherein the session metric is a quality of service metric, wherein the quality of service metric relates to one or more of average transmission rate, maximum transmission rate, minimum transmission rate, transmission error rate, and network node delay.

27. (Cancelled)